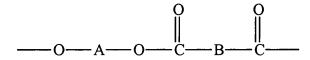
Amendments to the Claims

The following listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

Claims 1-31 (Cancelled)

Claim 32 (Currently amended) A method for polymerizing a macrocyclic oligoester comprising a structural repeat unit of the formula

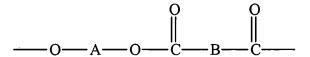


where A is an alkylene, a cycloalkylene, or a mono- or polyoxyalkylene group; and B is a divalent aromatic or alicyclic group, the method comprising the step of contacting, at an elevated temperature, a macrocyclic oligoester and a polymerization catalyst, the polymerization catalyst comprising a polymeric group comprising 25 or more carbon atoms.

- Claim 33 (Original) The method of claim 32 wherein the polymerization catalyst comprises a polyalkylene group.
- Claim 34 (Original) The method of claim 32 wherein the macrocyclic oligoester and the polymerization catalyst are components of a blend material.
- Claim 35 (Original) A method for polymerizing a macrocyclic oligoester comprising the steps of

 (a) providing a molten macrocyclic oligoester, wherein the macrocyclic oligoester

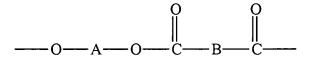
 comprises a structural repeat unit of the formula



where A is an alkylene, a cycloalkylene or a mono- or polyoxyalkylene group; and B is a divalent aromatic or alicyclic group;

- (b) providing a molten polymerization catalyst, the polymerization catalyst comprising a polymeric group comprising 25 or more carbon atoms; and
- (c) contacting the molten macrocyclic oligoester and the molten polymerization catalyst, thereby causing polymerization of the macrocyclic oligoester.

- Claim 36 (Original) The method of claim 35 wherein the contacting step (c) takes place in a mold.
- Claim 37 (Currently amended) A method for polymerizing a macrocyclic oligoester comprising the steps of
 - (a) providing a molten macrocyclic oligoester in a mixing chamber, wherein the macrocyclic oligoester comprises a structural repeat unit of the formula



where A is an alkylene, a cycloalkylene or a mono- or polyoxyalkylene group; and B is a divalent aromatic or alicyclic group;

- (b) providing a molten polymerization catalyst of claim 1 in the mixing chamber, the polymerization catalyst comprising a polymeric group comprising 25 or more carbon atoms;
- (c) mixing the molten macrocyclic oligoester and the molten polymerization catalyst in the mixing chamber; and
- (d) introducing <u>a</u> the mixed molten macrocyclic oligoester and the polymerization catalyst into a mold.

Claims 38-40 (Cancelled)

- Claim 41 (New) The method of claim 33 wherein the polyalkylene group is at least one of a polyethylene group, a poly(1,2-butylene) group, a poly(ethylene-ran-1,2-butylene) group, and a polyethylene-block-poly(ethylene glycol) group.
- Claim 42 (New) The method of claim 32 wherein the polymerization catalyst comprises a polyether group.
- Claim 43 (New) The method of claim 42 wherein the polyether group is at least one of a poly(ethylene glycol), a poly(propylene glycol), and a polyethylene-block-poly(ethylene glycol) group.

Claim 44 (New) The method of claim 32 wherein the polymerization catalyst comprises a compound having the molecular formula:

$$(R^1 - Y^1 -)_i - M - (-Y^2 - R^2)_i$$

wherein

each of i and j independently is an integer where $i \ge 0$, $j \ge 1$, and $i + j \le 4$; each R^1 independently is, or two or more R^1 groups taken together are, an alkyl group or an alkyl ether group each having between 1 and 20 carbon atoms;

each R² independently is a polymeric group comprising 25 or more carbon atoms, wherein at least one R² comprises at least one of (i) a polyalkylene group comprising 25 or more carbon atoms and (ii) a polyether group;

each Y¹ and Y² independently is a single bond or a heteroatom selected from the group consisting of O, S, and N; and

M is Ti, Sn, or $-Z^1-(X)_k-Z^2-$, wherein Z^1 is Ti or Sn, Z^2 is Ti or Sn, each X independently is O or O-R³-O, wherein R³ is an alkylene group, and k is 1, 2, or 3.

- Claim 45 (New) The method of claim 32 wherein the polymerization catalyst comprises a metal selected from the group consisting of titanium and tin.
- Claim 46 (New) The method of claim 32 wherein the polymerization catalyst comprises a compound having the molecular formula:

$$Ti - (-OR)_4$$

wherein each R independently is a polymeric group comprising 25 or more carbon atoms.

- Claim 47 (New) The method of claim 46 wherein at least one R is a polyalkylene group comprising 25 or more carbon atoms.
- Claim 48 (New) The method of claim 47 wherein the polyalkylene group is selected from the group consisting of a polyethylene group, a poly(1,2-butylene) group, a poly(ethylene-ran-1,2-butylene) group, and a polyethylene-block-poly(ethylene glycol) group.
- Claim 49 (New) The method of claim 46 wherein at least one R is a polyether group.

- Claim 50 (New) The method of claim 49 wherein the polyether group is selected from the group consisting of a poly(ethylene glycol), a poly(propylene glycol), and a polyethylene-block-poly(ethylene glycol) group.
- Claim 51 (New) The method of claim 46 wherein at least one R is a polyalkylene group and at least one R is a polyether group.
- Claim 52 (New) The method of claim 32 wherein the polymerization catalyst comprises a compound having the molecular formula:

$$(R^1)_2$$
 --- Sn --(-OR²)₂,

wherein

each R¹ independently is, or two R¹ groups taken together are, an alkyl group or an alkyl ether group each having between 1 and 20 carbon atoms; and

each R² independently is a polymeric group comprising 25 or more carbon atoms.

- Claim 53 (New) The method of claim 52 wherein each R¹ independently is an alkyl group and at least one R² is a polyalkylene group comprising 25 or more carbon atoms.
- Claim 54 (New) The method of claim 53 wherein R¹ is a butyl group and R² is selected from the group consisting of a polyethylene group, a poly(1,2-butylene) group, a poly(ethylene-ran-1,2-butylene) group, and a polyethylene-block-poly(ethylene glycol) group.
- Claim 55 (New) The method of claim 52 wherein each R¹ independently is an alkyl group and at least one R² is a polyether group.
- Claim 56 (New) The method of claim 32 wherein a blend material comprises the macrocyclic oligoester and the polymerization catalyst.
- Claim 57 (New) The method of claim 35 wherein the polymerization catalyst comprises a polyalkylene group.
- Claim 58 (New) The method of claim 57 wherein the polyalkylene group is selected from the group consisting of a polyethylene group, a poly(1,2-butylene) group, a poly(ethylene-ran-1,2-butylene) group, and a polyethylene-block-poly(ethylene glycol) group.
- Claim 59 (New) The method of claim 35 wherein the polymerization catalyst comprises a polyether group.

- Claim 60 (New) The method of claim 59 wherein the polyether group is selected from the group consisting of a poly(ethylene glycol), a poly(propylene glycol), and a polyethylene-block-poly(ethylene glycol) group.
- Claim 61 (New) The method of claim 35 wherein the polymerization catalyst comprises a compound having the molecular formula:

$$(R^1 - Y^1)_i - M - (Y^2 - R^2)_i$$

wherein

each of i and j independently is an integer where $i \ge 0$, $j \ge 1$, and $i + j \le 4$; each R^1 independently is, or two or more R^1 groups taken together are, an alkyl group or an alkyl ether group each having between 1 and 20 carbon atoms;

each R² independently is a polymeric group comprising 25 or more carbon atoms, wherein at least one R² comprises at least one of (i) a polyalkylene group comprising 25 or more carbon atoms and (ii) a polyether group;

each Y¹ and Y² independently is a single bond or a heteroatom selected from the group consisting of O, S, and N; and

M is Ti, Sn, or $-Z^1$ - $(X)_k$ - Z^2 -, wherein Z^1 is Ti or Sn, Z^2 is Ti or Sn, each X independently is O or O- R^3 -O, wherein R^3 is an alkylene group, and k is 1, 2, or 3.

- Claim 62 (New) The method of claim 35 wherein the polymerization catalyst comprises a metal selected from the group consisting of titanium and tin.
- Claim 63 (New) The method of claim 35 wherein the polymerization catalyst comprises a compound having the molecular formula:

wherein each R independently is a polymeric group comprising 25 or more carbon atoms.

- Claim 64 (New) The method of claim 63 wherein at least one R is a polyalkylene group comprising 25 or more carbon atoms.
- Claim 65 (New) The method of claim 64 wherein the polyalkylene group is selected from the group consisting of a polyethylene group, a poly(1,2-butylene) group, a poly(ethylene-ran-1,2-butylene) group, and a polyethylene-block-poly(ethylene glycol) group.

- Claim 66 (New) The method of claim 63 wherein at least one R is a polyether group.
- Claim 67 (New) The method of claim 66 wherein the polyether group is selected from the group consisting of a poly(ethylene glycol), a poly(propylene glycol), and a polyethylene-block-poly(ethylene glycol) group.
- Claim 68 (New) The method of claim 63 wherein at least one R is a polyalkylene group and at least one R is a polyether group.
- Claim 69 (New) The method of claim 35 wherein the polymerization catalyst comprises a compound having the molecular formula:

$$(R^1)_2$$
 --- Sn --(-OR²)₂,

wherein

each R¹ independently is, or two R¹ groups taken together are, an alkyl group or an alkyl ether group each having between 1 and 20 carbon atoms; and

each R² independently is a polymeric group comprising 25 or more carbon atoms.

- Claim 70 (New) The method of claim 69 wherein each R¹ independently is an alkyl group and at least one R² is a polyalkylene group comprising 25 or more carbon atoms.
- Claim 71 (New) The method of claim 70 wherein R¹ is a butyl group and R² is selected from the group consisting of a polyethylene group, a poly(1,2-butylene) group, a poly(ethylene-ran-1,2-butylene) group, and a polyethylene-block-poly(ethylene glycol) group.
- Claim 72 (New) The method of claim 69 wherein each R¹ independently is an alkyl group and at least one R² is a polyether group.
- Claim 73 (New) The method of claim 72 wherein R¹ is a butyl group and R² is selected from the group consisting of a poly(ethylene glycol), a poly(propylene glycol), and a polyethylene-block-poly(ethylene glycol) group.